

REMARKS

This paper responds to the second non-final office action mailed on November 28, 2005. In the office action, claims 2-12, 14-17, 21-24 and 29 were rejected over the prior art. Claims 22 and 23 were objected to as being dependent from rejected base claims, but were otherwise deemed allowable if rewritten in independent form. By this Amendment, claims 2, 4, 6, 7, 21 and 23 are amended and claims 3, 5, 10-12, 14-17 and 22 are cancelled. Claims 2, 4, 6-9, 21, 23, 24 and 29 remain pending.

The Examiner is thanked for the identification of allowable subject matter in claims 22 and 23. Accordingly, independent claim 21 has been amended to include all of the limitations of allowable claim 22, and is thus in condition for allowance. Claim 23 has been amended to depend from amended claim 21 and is also in condition for allowance. Claims 24 and 29 depend from amended claim 21 and are thus in condition for allowance.


Examiner Perilla is also thanked for the courtesies extended during a telephone interview on January 13, 2006 with the patent owner's representative, Joseph Sauer. During the telephone interview, the amendment to claim 2 was discussed and the Examiner agreed that the amendment should overcome the rejection of claim 2 under 35 U.S.C. § 103(a) over Critchlow (U.S. 5,276,706).

The patent owner contends that claim 2, as amended, is patentably distinct from the Critchlow reference, either alone or in combination with any of the other cited references. Among other distinctions, Critchlow does not teach or suggest "a synchronization information calculator connected to the waveform correlator and the peak detector, the synchronization information calculator providing data to one or more components external to the synchronization signal detector, the data provided by the synchronization information calculator including

information indicating whether or not the input signal includes a valid sync signal." The patent owner therefore respectfully submits that claim 2 is in condition for allowance. Claims 3 and 6-9 each ultimately depend from amended claim 2, and are thus also in condition for allowance.

For the foregoing reasons, the patent owner submits that claims 2, 4, 6-9, 21, 23, 24 and 29 are in condition for allowance. The Examiner is therefore respectfully requested to enter this amendment and pass this case to issue.

Respectfully submitted,



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